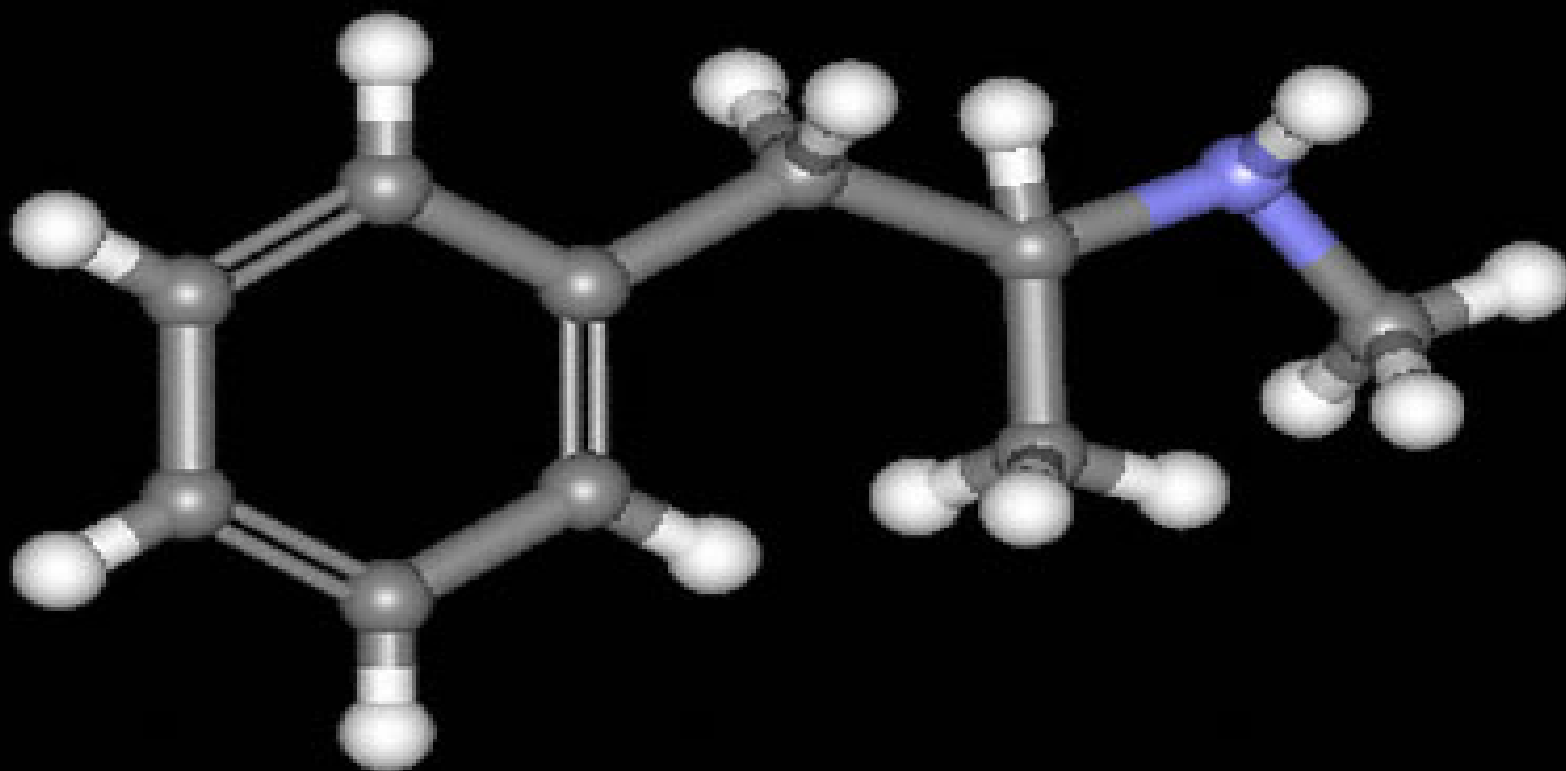


Methamphetamine



Methamphetamine ($C_{10}H_{15}N$)



One of Rural America's Greatest Challenges

One of Rural America's Greatest Challenges

"Methamphetamine is the worst drug that has ever hit America. A ferociously addictive drug that is spreading ... it's hard to imagine overstating the magnitude of the meth problem.

-- U.S. Drug Czar Barry McCaffrey

One of Rural America's Greatest Challenges

Stopping the drug epidemic in rural areas

- 8 % of Nebraska's budget, over \$291 million, is spent on substance abuse related costs
- 91% of that amount is spent on burdens to public programs through Medicaid and welfare programs
- 6% goes for regulation and compliance
- 3% goes for prevention
- These amounts don't include local and federal costs

Source – National Center on Addiction and Substance Abuse study

Teenage Drinking

- Nebraska ranks third in the nation in teenage binge drinking
- Nebraska is second in the nation for teenagers that reported driving after drinking
- Nebraska is tied for first place in the number of teenagers that reported riding with a drinking driver
- 27.3% of Nebraska teens reported having had their first drink prior to age 13
- 53% of Nebraska teens reported that they currently use alcohol – 6th in the nation
- Heroin and meth addicts almost always started with teenage binge drinking

Source – 2001 National Youth Risk Behavior Survey

Teenage Drinking

- 70% of teenagers in Nebraska who drink have obtained alcohol from an adult
- 38% of Nebraska teenagers drank with an adult present
- 21% of teenagers in Nebraska drank at home with the permission of a parent

- Source – Nebraska Risk and Protective Factor Student Survey By Nebraska HHS

Methamphetamine

- Each meth addict commits several crimes each year to support their habit
- Meth treatment admissions doubled from 1997 to 2001
- The percentage of federal sentences for meth related drug convictions in Nebraska is five times the national average

Source – National Drug Intelligence Center

Methamphetamine

What is meth?

- Chemical name : (S)-N, α -dimethylbenzene-ethanamine; d-N-methylamphetamine

Methamphetamine

What are the ingredients in meth?

Many common household products including:

- Over-the-counter cold and allergy medicines containing pseudoephedrine
- Iodine
- Ammonia
- Starter fluid or de-icer
- Drain cleaner or rubbing alcohol
- Lithium batteries

Methamphetamine

What is the history of meth?

- First created in Germany in 1887
- Used widely during WWII by the Nazi and Japanese Armies
- Japanese Kamikaze Pilots were documented to be high on meth
- Major challenge in post war Japan
- Biker Gangs in California after WWII began to distribute meth
- Today's meth is hundreds of times more powerful

Methamphetamine

Meth is commonly referred to as:

- speed
- chalk
- crystal
- crank
- glass

Methamphetamine

What are some signs of a meth lab?

- Smell
 - Ammonia
 - Ether
- What to look for
 - Chemicals
 - Ammonia
 - Containers
 - Cooking pots

Methamphetamine

Environmental effects of a meth lab

- Meth production leaves behind five to six pounds of toxic waste per pound of meth produced
- Toxic by-products contaminate sites where meth is produced, posing serious health and environmental hazards to those nearby
- The average cost to clean up meth labs often exceeds \$4,000

Methamphetamine

- What does meth look like?
 - Typically a white, odorless powder that dissolves quickly in water
 - Another form of meth is clear chunky crystals referred to as crystal meth or ice
 - Also may be in the form of small brightly colored tablets, referred to as YABA

Methamphetamine

- What does meth look like?



Methamphetamine

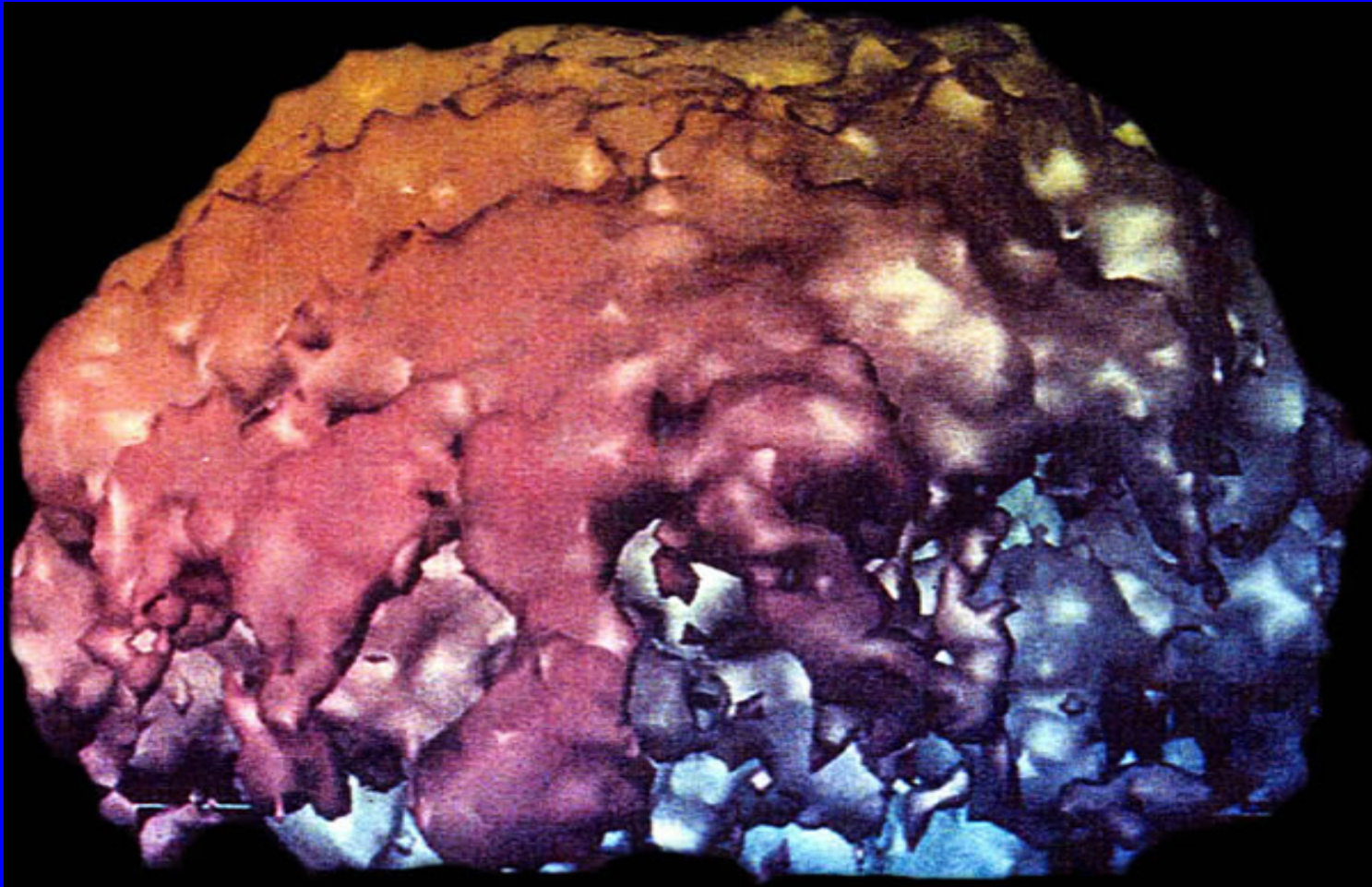
- How is meth used?
 - Injection
 - Snorting
 - Smoking
 - Orally

Methamphetamine

- What are the consequences of meth use?
 - Behavior changes
 - Psychotic behavior, paranoia, aggression, anxiety, fatigue, depression, confusion, insomnia, hallucinations, mood swings and delusions
 - Health changes
 - Stroke, brain damage similar to Alzheimer's disease and epilepsy, weight loss and death

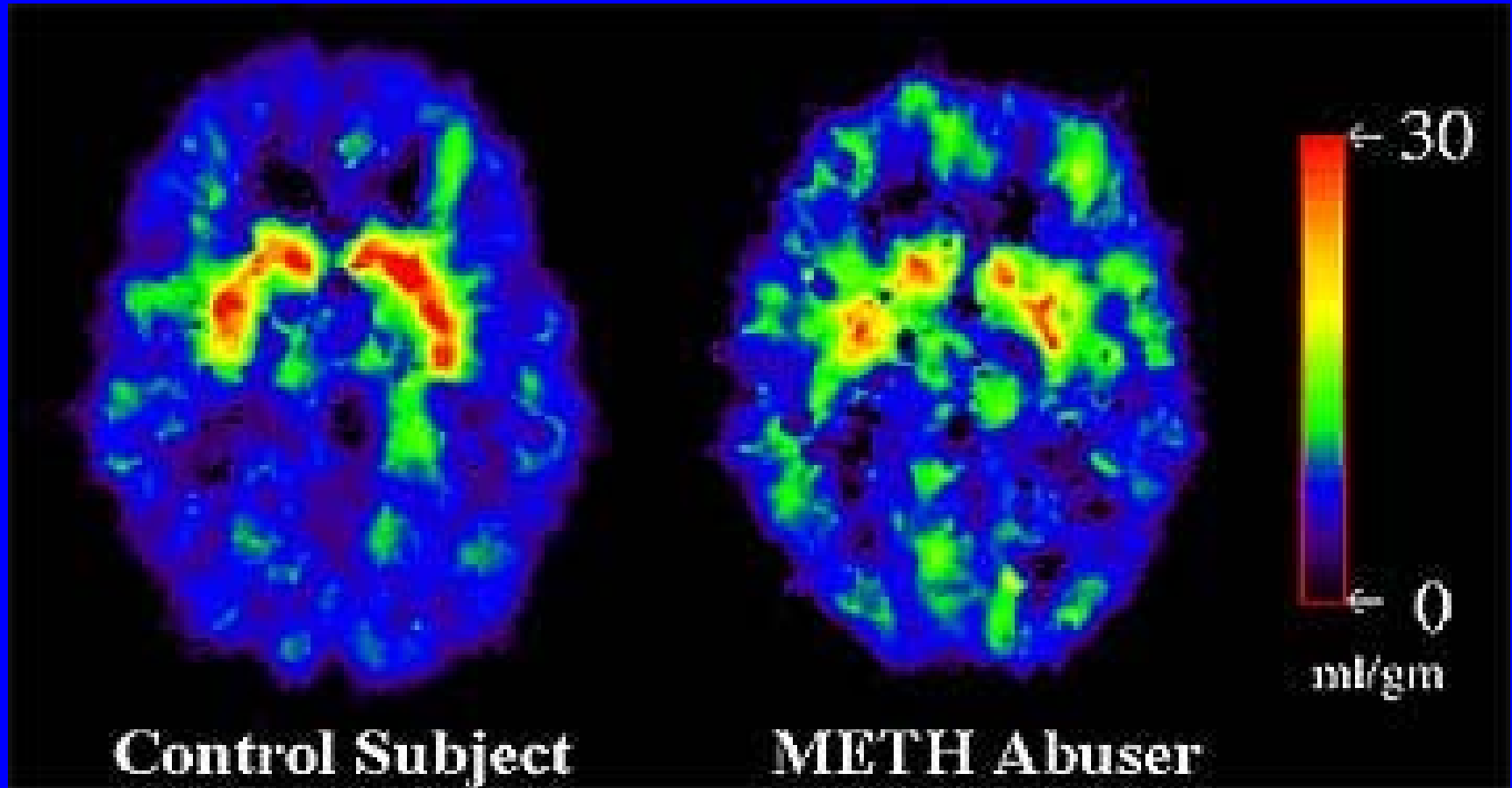
Effects of Meth on the Brain

Dead spots in brain tissue appear as brown mush



Effects of Meth on the Brain

Light colored spots in the brain scan are areas of dead tissue similar to an Alzheimer's patient creating a “Swiss cheese” brain incapable of normal function



Effects of Meth on Teeth

Your teeth on Meth



A 23 year old male's teeth and gums after 3+ years of **Meth** use.

Facts about your teeth on Meth

- Extremely **painful** teeth & gums
- Bad taste from infection and nasty smell
- Infected teeth cause an unhealthy body
- Lack of sleep due to **painful** teeth
- Feel bad about yourself
- Unable to eat or chew many solid foods
- Jawbone loss
- Gum disease
- Costs **big bucks** to restore or replace teeth
- Rapid decay of teeth
- Loss of teeth



What's left from a **Meth** user after 3 years of **Meth** use.

Meth eats you

Meth is a powerfully addictive drug that "eats" your body from the inside out. For a **meth** user, by the time the teeth look like this,

brain cells have been "eaten" and permanently damaged.

As **meth** flows through the blood to the heart, muscles, bones and teeth, **it eats cells deposits toxins and poisons and destroys healthy tissues.**

What happens after they pull the Meth eaten teeth?



So you think dentures are the solution?

When teeth are pulled, the jawbone will start to slowly shrink over the years.

Dentures sit on the bone ridge.

The **disadvantage** of getting a denture at a young age, like 23 years old, is by the time you're 60 your bone ridge will have shrunk beyond the point of wearing a denture functionally, thus leaving you a **denture cripple**.

What do you know about teeth and dentures?

Answer the following questions true or false

Your blood flows through your teeth.

When your blood needs calcium it first will take it from the jawbone.

Natural teeth chew with 150lbs of pressure.

Gum tissue for dentures can only support 5 to 25lbs of pressure.

With dentures you cannot bite or chew with your front teeth.

Dentures need to be replaced every 5 years.

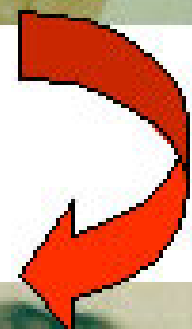
Dentures only function at 10% of the efficiency of your natural teeth.

If you have all your teeth pulled then you may instantly look at least 10 years older.

If you answered true to all the above you are 100% correct.



10 Years of Meth Use



Effects of Meth

Before Meth



Source –Nebraska State Patrol

Effects of Meth

After Two Years



Source –Nebraska State Patrol

Methamphetamine

- What to do if you suspect a meth lab
 - Call the police
 - Do not attempt to stop the chemical reaction
 - Do not turn any electrical switches, this could trigger an explosion

Source – CA Department of Justice

Methamphetamine Related Anhydrous Theft



Source – Nebraska State Patrol

Methamphetamine Lab



Source – Nebraska State Patrol

Dismantling a Methamphetamine Lab



Source – CA Department of Justice

Methamphetamine Lab Explosion Results



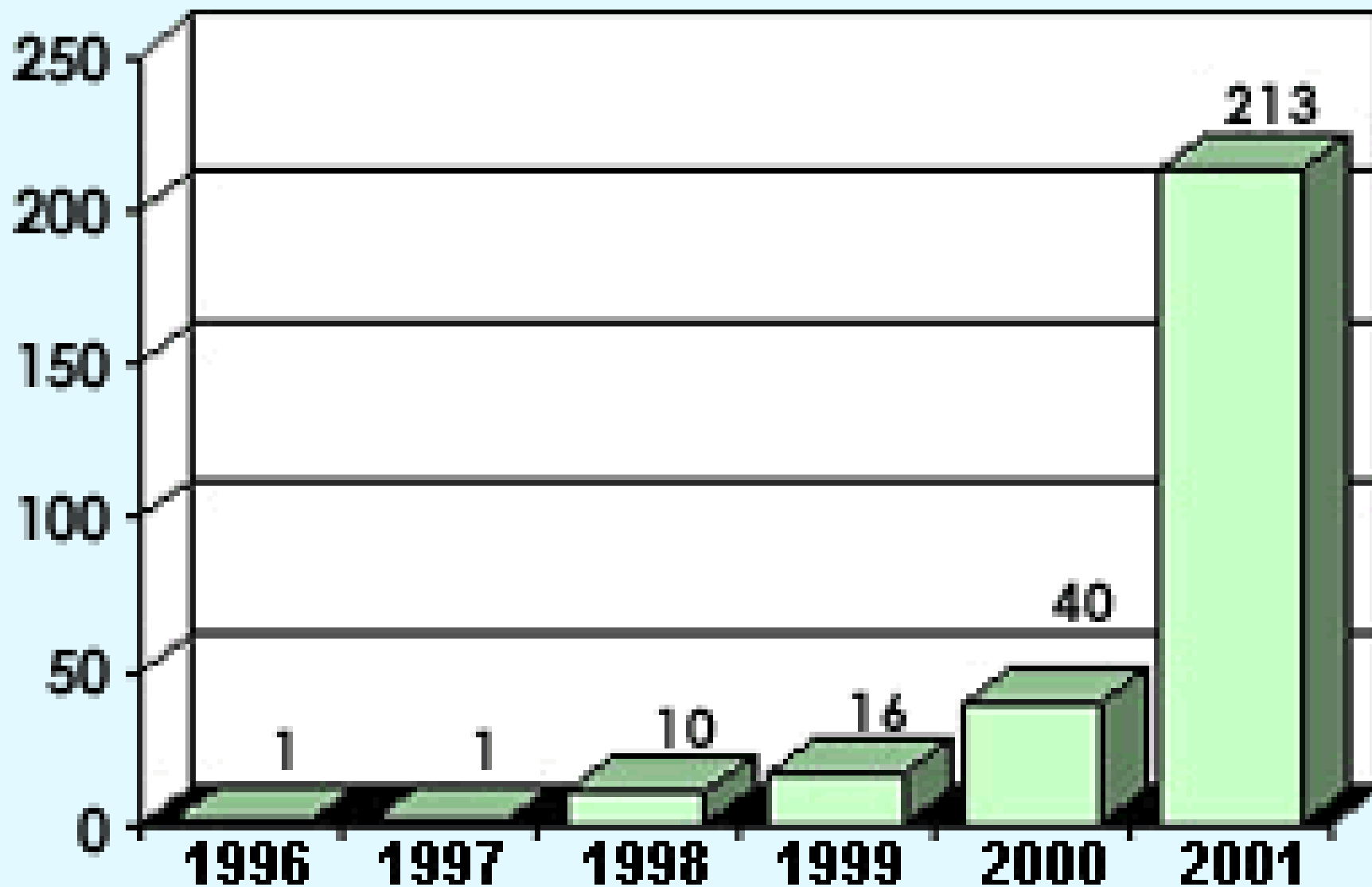
Source – Nebraska State Patrol

Can It Happen Here?

- It is happening here!
 - October 30, 2003: KHAS Television reported that two pounds of pure methamphetamine were found in a Hastings bust
 - November 19, 2003 Omaha World Herald reported man killed in shootout with Nebraska State Patrol near Wallace was facing charges of possessing meth
 - November 25, 2003: AP story reports Otoe County Sheriff wages war on meth labs
 - December 1, 2003: AP story shows Nebraska prison numbers show more women using meth

Methamphetamine Lab Seizures

--Nebraska--



as of 4-15-02

Source: EPIC/C

Source – National Center on Addiction and Substance Abuse study

You Can Make A Difference!

- A small group of dedicated people can change the world.
 - Think Before You Wink
 - Learn about the issues in your area
 - Work with local law enforcement and drug educators
 - Lew Hunter and 700 people in Nelson

You Can Make A Difference!

- If you are a teenager
 - Remember, it is your choice. It is your body. It is your future.
 - If you have challenges, talk to someone.
- If you are a parent, talk to your kids.
 - Be involved and watch for signs
 - Dropping grades
 - Missing money
 - Switching friends
 - Withdrawal
- Do you drink or use drugs? Your example speaks louder than words

You Can Make A Difference!

- SICA (State Incentive Cooperative Agreement)
 - A state and federal partnership
 - Several million dollars in federal funds over the next three years to local community coalitions to implement substance abuse and prevention strategies
 - Contact Laurie Sutter at Nebraska's Health and Human Services: (402) 479-5573 or www.nebraskaprevention.gov

Contact Information for Congressman Tom Osborne

- Website:
www.house.gov/osborne
- Washington Office
507 Cannon HOB
Washington, D.C. 20515
(202) 225-6435
- Scottsbluff Office
21 East 20th Street
Scottsbluff, NE 69361
(308) 632-3333
- Email:
www.house.gov/writerep
- Grand Island Office
819 Diers Ave. Suite 3
Grand Island, NE 68803
(308) 381-5555
- Kearney Office
1910 University Drive,
UNK Communications
Building Room 212
Kearney, NE 68849
(308) 236-1330